Rubycon METALLIZED POLYPROPYLENE FILM CAPACITORS MPR

MPR SERIES



◆FEATURES

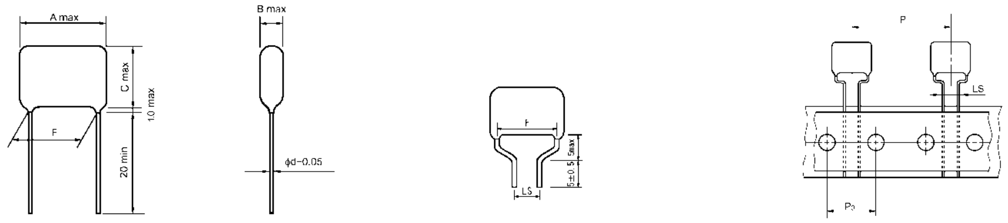
- Very low dissipation factor, small and light.
- for applications where high frequency, high voltage are like electronic ballast, etc.
- Coated with flame-retardant (UL94 V-0) epoxy resin.
- RoHS compliance.

◆SPECIFICATIONS

Category temperature	−40℃～+105℃
Rated voltage (U_R)	800Vp-p/1000VDC, 1000Vp-p/1250VDC, 1200Vp-p/1600VDC, 1600Vp-p/2000VDC
Capacitance tolerance	±3%(H), ±5%(J), ±10%(K)
tan δ	0.001max at 1kHz
Voltage proof	U_R×150%　1 to 5s
Insulation resistance	30000MΩmin
Reference standard	JIS C 5101-17, JIS C 5101-1

◆OUTLINE

(mm)



Blank　　S7,W7,K7　　Style C,E

◆PART NUMBER

□□□ Rated Voltage　MPR Series　□□□ Rated capacitance　□ Tolerance　□□□ Sub mark　□□ Suffix

Symbol	U_R
800	800Vp-p/1000VDC
101	1000Vp-p/1250VDC
121	1200Vp-p/1600VDC
161	1600Vp-p/2000VDC

Symbol	Tolerance
H	± 3%
J	± 5%
K	±10%

Symbol	Lead style	Symbol	Lead style
Blank	Long lead type	K7	Lead forming cut LS=15.0
S7	Lead forming cut LS=5.0	TL(F=12.5) TJ(F≧15)	Style C, Ammo pack P=25.4 Po=12.7 LS=5.0
W7	Lead forming cut LS=7.5	TN	Style E, Ammo pack P=30.0 Po=15.0 LS=7.5

◆DIMENTIONS AND QUANTITY

◆RATED VOLTAGE：800Vp-p/1000VDC

Part No.	cap(μF)	Dimensions (mm)						Typical Packaging Quantity (pcs)						
								Long Lead type		Taping Ammo pack type - style				
		A	B	C	F±1.25	LS±0.5	d	Bag	Carton	A	B, D	C	E	S
										TC	TX, TH	TL, TJ	TN	TS
800MPR102□**	0.001	15.5	6.5	11.0	12.5	5.0/7.5	0.6	200	3,000	—	—	500	500	—
800MPR122□**	0.0012	15.5	7.0	11.5	12.5	5.0/7.5	0.6	100	3,000	—	—	500	500	—
800MPR152□**	0.0015	15.5	6.5	11.0	12.5	5.0/7.5	0.6	100	3,000	—	—	500	500	—
800MPR182□**	0.0018	15.5	7.0	11.5	12.5	5.0/7.5	0.6	100	3,000	—	—	500	500	—
800MPR222□**	0.0022	15.5	7.0	11.5	12.5	5.0/7.5	0.6	100	3,000	—	—	500	500	—
800MPR272□**	0.0027	18.5	6.5	11.0	15.0	5.0/7.5	0.6	100	3,000	—	—	500	500	—
800MPR332□**	0.0033	18.5	6.5	11.5	15.0	5.0/7.5	0.8	100	3,000	—	—	500	500	—
800MPR392□**	0.0039	18.5	7.0	11.5	15.0	5.0/7.5	0.8	100	2,000	—	—	500	400	—
800MPR472□**	0.0047	18.5	7.5	12.5	15.0	5.0/7.5	0.8	100	2,000	—	—	500	400	—
800MPR562□**	0.0056	18.5	6.5	12.0	15.0	5.0/7.5	0.8	100	2,000	—	—	500	400	—
800MPR682□**	0.0068	18.5	7.0	12.0	15.0	5.0/7.5	0.8	100	2,000	—	—	500	400	—
800MPR822□**	0.0082	18.5	7.5	12.5	15.0	5.0/7.5	0.8	100	2,000	—	—	500	400	—
800MPR103□**	0.01	18.5	8.0	13.0	15.0	5.0/7.5	0.8	100	2,000	—	—	400	400	—
800MPR123□**	0.012	18.5	8.5	14.0	15.0	5.0/7.5	0.8	200	1,500	—	—	400	400	—
800MPR153□**	0.015	18.5	7.0	12.5	15.0	5.0/7.5	0.8	100	2,000	—	—	400	400	—
800MPR183□**	0.018	18.5	7.5	13.0	15.0	5.0/7.5	0.8	100	2,000	—	—	400	400	—
800MPR223□**	0.022	18.5	7.5	14.5	15.0	5.0/7.5	0.8	100	2,000	—	—	400	400	—
800MPR273□**	0.027	18.5	8.0	15.0	15.0	5.0/7.5	0.8	200	1,500	—	—	400	400	—
800MPR333□**	0.033	23.5	7.0	13.5	20.0	7.5/15.0	0.8	50	1,500	—	—	—	—	—
800MPR393□**	0.039	23.5	7.0	14.0	20.0	7.5/15.0	0.8	50	1,500	—	—	—	—	—
800MPR473□**	0.047	23.5	7.5	14.5	20.0	7.5/15.0	0.8	50	1,500	—	—	—	—	—
800MPR563□**	0.056	23.5	8.0	15.0	20.0	7.5/15.0	0.8	50	1,000	—	—	—	—	—
800MPR683□**	0.068	23.5	9.0	17.5	20.0	7.5/15.0	0.8	200	1,000	—	—	—	—	—
800MPR823□**	0.082	23.5	9.5	18.0	20.0	7.5/15.0	0.8	200	800	—	—	—	—	—
800MPR104□**	0.1	23.5	10.0	19.0	20.0	7.5/15.0	0.8	200	800	—	—	—	—	—

□ : Tolerance（H:±3%，J:±5%，K:±10%）　** : Suffix

※ For capacitance values of E-24 series, consult our sales office.

◆RATED VOLTAGE：1000Vp-p/1250VDC

Part No.	cap(μF)	Dimensions (mm)						Typical Packaging Quantity (pcs)						
								Long Lead type		Taping Ammo pack type - style				
		A	B	C	F±1.25	LS±0.5	d	Bag	Carton	A	B, D	C	E	S
										TC	TX, TH	TL, TJ	TN	TS
101MPR102□**	0.001	15.5	6.5	11.0	12.5	5.0/7.5	0.6	200	3,000	—	—	500	500	—
101MPR122□**	0.0012	15.5	7.0	11.5	12.5	5.0/7.5	0.6	100	3,000	—	—	500	500	—
101MPR152□**	0.0015	15.5	6.5	11.0	12.5	5.0/7.5	0.6	100	3,000	—	—	500	500	—
101MPR182□**	0.0018	15.5	7.0	11.5	12.5	5.0/7.5	0.6	100	3,000	—	—	500	400	—
101MPR222□**	0.0022	15.5	7.0	11.5	12.5	5.0/7.5	0.6	100	3,000	—	—	500	400	—
101MPR272□**	0.0027	18.5	6.5	11.0	15.0	5.0/7.5	0.6	100	3,000	—	—	500	400	—
101MPR332□**	0.0033	18.5	6.5	11.5	15.0	5.0/7.5	0.8	100	3,000	—	—	500	400	—
101MPR392□**	0.0039	18.5	7.0	11.5	15.0	5.0/7.5	0.8	100	2,000	—	—	500	400	—
101MPR472□**	0.0047	18.5	7.5	12.5	15.0	5.0/7.5	0.8	100	2,000	—	—	500	400	—
101MPR562□**	0.0056	18.5	6.5	12.0	15.0	5.0/7.5	0.8	100	2,000	—	—	500	400	—
101MPR682□**	0.0068	18.5	7.0	12.0	15.0	5.0/7.5	0.8	100	2,000	—	—	500	400	—
101MPR822□**	0.0082	18.5	7.5	12.5	15.0	5.0/7.5	0.8	100	2,000	—	—	500	400	—
101MPR103□**	0.01	18.5	8.0	13.0	15.0	5.0/7.5	0.8	100	2,000	—	—	400	400	—
101MPR123□**	0.012	18.5	8.5	14.0	15.0	5.0/7.5	0.8	100	1,500	—	—	400	300	—
101MPR153□**	0.015	18.5	9.5	14.5	15.0	5.0/7.5	0.8	50	1,500	—	—	400	300	—
101MPR183□**	0.018	18.5	10.0	15.5	15.0	5.0/7.5	0.8	50	1,000	—	—	300	300	—
101MPR223□**	0.022	18.5	10.0	17.0	15.0	5.0/7.5	0.8	50	1,000	—	—	300	300	—
101MPR273□**	0.027	23.5	8.0	15.0	20.0	7.5/15.0	0.8	50	1,000	—	—	—	—	—
101MPR333□**	0.033	23.5	9.0	16.0	20.0	7.5/15.0	0.8	200	1,000	—	—	—	—	—
101MPR393□**	0.039	23.5	9.5	16.5	20.0	7.5/15.0	0.8	200	1,000	—	—	—	—	—
101MPR473□**	0.047	23.5	10.5	17.5	20.0	7.5/15.0	0.8	200	800	—	—	—	—	—
101MPR563□**	0.056	23.5	11.5	18.5	20.0	7.5/15.0	0.8	200	800	—	—	—	—	—
101MPR683□**	0.068	23.5	12.0	21.0	20.0	7.5/15.0	0.8	100	800	—	—	—	—	—
101MPR823□**	0.082	23.5	13.0	22.0	20.0	7.5/15.0	0.8	100	500	—	—	—	—	—
101MPR104□**	0.1	23.5	14.5	24.0	20.0	7.5/15.0	0.8	100	500	—	—	—	—	—

□ : Tolerance（H:±3%，J:±5%，K:±10%）　** : Suffix

※For capacitance values of E-24 series, consult our sales office.

Rubycon

METALLIZED POLYPROPYLENE FILM CAPACITORS MPR

◆RATED VOLTAGE：1200Vp-p/1600VDC

Part No.	cap(μF)	Dimensions (mm)						Typical Packaging Quantity (pcs)						
								Long Lead type		Taping Ammo pack type - style				
		A	B	C	F±1.25	LS±0.5	d	Bag	Carton	A TC	B, D TX, TH	C TL, TJ	E TN	S TS
121MPR102□**	0.001	15.5	6.5	11.0	12.5	5.0/7.5	0.6	200	3,000	—	—	500	500	—
121MPR122□**	0.0012	15.5	7.0	11.5	12.5	5.0/7.5	0.6	100	3,000	—	—	500	500	—
121MPR152□**	0.0015	15.5	6.5	11.0	12.5	5.0/7.5	0.6	100	3,000	—	—	500	500	—
121MPR182□**	0.0018	15.5	7.0	11.5	12.5	5.0/7.5	0.6	100	3,000	—	—	500	500	—
121MPR222□**	0.0022	15.5	7.0	11.5	12.5	5.0/7.5	0.6	100	3,000	—	—	500	500	—
121MPR272□**	0.0027	18.5	6.5	11.0	15.0	5.0/7.5	0.6	100	3,000	—	—	500	500	—
121MPR332□**	0.0033	18.5	6.5	11.5	15.0	5.0/7.5	0.8	100	3,000	—	—	500	500	—
121MPR392□**	0.0039	18.5	7.0	11.5	15.0	5.0/7.5	0.8	100	2,000	—	—	500	400	—
121MPR472□**	0.0047	18.5	7.5	12.5	15.0	5.0/7.5	0.8	100	2,000	—	—	500	400	—
121MPR562□**	0.0056	18.5	7.5	14.0	15.0	5.0/7.5	0.8	100	2,000	—	—	500	400	—
121MPR682□**	0.0068	18.5	8.0	14.5	15.0	5.0/7.5	0.8	100	1,500	—	—	400	400	—
121MPR822□**	0.0082	18.5	8.5	15.5	15.0	5.0/7.5	0.8	100	1,500	—	—	400	300	—
121MPR103□**	0.01	18.5	9.0	16.0	15.0	5.0/7.5	0.8	100	1,500	—	—	400	300	—
121MPR123□**	0.012	23.5	7.5	14.0	20.0	7.5/15.0	0.8	100	1,500	—	—	—	—	—
121MPR153□**	0.015	23.5	8.0	15.0	20.0	7.5/15.0	0.8	200	1,000	—	—	—	—	—
121MPR183□**	0.018	23.5	8.5	15.5	20.0	7.5/15.0	0.8	200	1,000	—	—	—	—	—
121MPR223□**	0.022	23.5	9.5	16.5	20.0	7.5/15.0	0.8	200	1,000	—	—	—	—	—
121MPR273□**	0.027	23.5	10.5	17.5	20.0	7.5/15.0	0.8	100	800	—	—	—	—	—
121MPR333□**	0.033	23.5	11.0	19.5	20.0	7.5/15.0	0.8	100	800	—	—	—	—	—
121MPR393□**	0.039	23.5	12.5	21.0	20.0	7.5/15.0	0.8	100	500	—	—	—	—	—
121MPR473□**	0.047	23.5	13.5	22.0	20.0	7.5/15.0	0.8	100	500	—	—	—	—	—
121MPR563□**	0.056	23.5	14.5	23.5	20.0	7.5/15.0	0.8	100	500	—	—	—	—	—

□：Tolerance（H:±3%，J:±5%，K:±10%）　**：Suffix

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◆RATED VOLTAGE：1600Vp-p/2000VDC

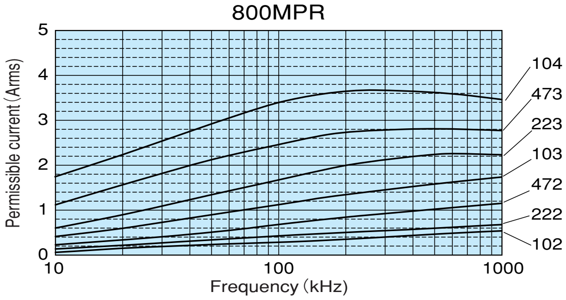
Part No.	cap(μF)	Dimensions (mm)						Typical Packaging Quantity (pcs)						
								Long Lead type		Taping Ammo pack type - style				
		A	B	C	F±1.25	LS±0.5	d	Bag	Carton	A TC	B, D TX, TH	C TL, TJ	E TN	S TS
161MPR102□**	0.001	18.5	6.0	10.5	15.0	5.0/7.5	0.6	200	3,000	—	—	500	500	—
161MPR122□**	0.0012	18.5	6.5	11.0	15.0	5.0/7.5	0.6	100	3,000	—	—	500	500	—
161MPR152□**	0.0015	18.5	6.5	11.0	15.0	5.0/7.5	0.6	100	3,000	—	—	500	500	—
161MPR182□**	0.0018	18.5	7.0	11.5	15.0	5.0/7.5	0.8	100	2,000	—	—	500	400	—
161MPR222□**	0.0022	18.5	7.5	12.5	15.0	5.0/7.5	0.8	100	2,000	—	—	500	400	—
161MPR272□**	0.0027	18.5	8.0	13.0	15.0	5.0/7.5	0.8	100	2,000	—	—	400	400	—
161MPR332□**	0.0033	18.5	8.5	14.0	15.0	5.0/7.5	0.8	200	1,500	—	—	400	400	—
161MPR392□**	0.0039	18.5	9.0	15.0	15.0	5.0/7.5	0.8	200	1,500	—	—	400	300	—
161MPR472□**	0.0047	18.5	10.0	15.5	15.0	5.0/7.5	0.8	50	1,500	—	—	300	300	—
161MPR562□**	0.0056	18.5	10.5	16.0	15.0	5.0/7.5	0.8	50	1,000	—	—	300	300	—
161MPR682□**	0.0068	18.5	11.0	17.5	15.0	5.0/7.5	0.8	50	1,000	—	—	300	300	—
161MPR822□**	0.0082	23.5	8.0	15.0	20.0	7.5/15.0	0.8	50	1,000	—	—	—	—	—
161MPR103□**	0.01	23.5	9.0	15.5	20.0	7.5/15.0	0.8	200	1,000	—	—	—	—	—
161MPR123□**	0.012	23.5	9.5	16.5	20.0	7.5/15.0	0.8	200	1,000	—	—	—	—	—
161MPR153□**	0.015	23.5	10.5	19.0	20.0	7.5/15.0	0.8	200	800	—	—	—	—	—
161MPR183□**	0.018	23.5	11.5	20.0	20.0	7.5/15.0	0.8	100	500	—	—	—	—	—

□：Tolerance（H:±3%，J:±5%，K:±10%）　**：Suffix

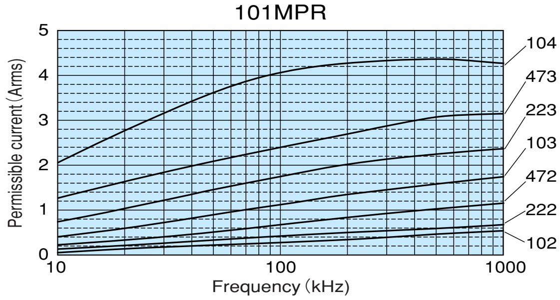
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◆PERMISSIBLE CURRENT FOR FREQUENCY

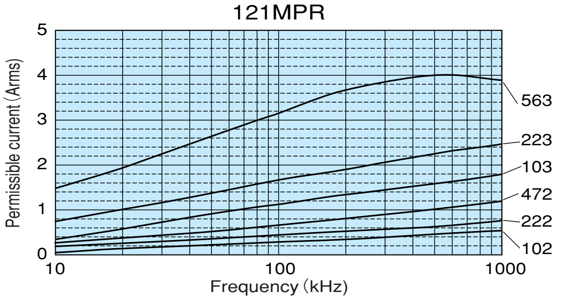
800MPR



101MPR



121MPR



161MPR

